

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|---|------------------|---------|------------------|
| L1 | 410 | (208/130).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/06/21 12:03 |
| L2 | 138 | ("heavy hydrocarbons" or "gas oils" or (Fischer\$1Tropsch)) and (super\$1heat) and (pre\$1heat) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/06/21 12:05 |
| L3 | 4 | l1 and l2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/06/21 12:06 |
| L4 | 4 | naphtha and l3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/06/21 12:06 |
| S1 | 2 | "5567305".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2007/06/21 12:03 |
| S2 | 869 | ((585/648) or (585/650) or (585/652)).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:52 |
| S3 | 1235 | (Fischer\$1Tropsch) near3 hydrocarbon? | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:27 |
| S4 | 4 | S2 and S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:27 |
| S5 | 361261 | steam | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:28 |
| S6 | 289 | convection adj1 zone | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:28 |
| S7 | 4 | S3 and S4 and S5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:29 |

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|-----|--------|---------------------------|---|----|-----|------------------|
| S8 | 1 | S3 and S5 and S6 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:31 |
| S9 | 2843 | steam adj1 cracking | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:31 |
| S10 | 3635 | heavy adj1 hydrocarbons | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:31 |
| S11 | 19 | S9 with S10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:33 |
| S12 | 3 | S6 and S11 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:31 |
| S13 | 296 | S5 with S10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:41 |
| S14 | 411881 | crack\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:41 |
| S15 | 192 | S13 and S14 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:41 |
| S16 | 9 | S6 and S15 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:41 |
| S17 | 17 | Fishcher\$1Tropsch | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:44 |
| S18 | 8332 | Fischer adj1 Tropsch | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:44 |
| S19 | 7 | S2 and S18 and S9 and S10 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:48 |

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|-----|-------|-------------------------------------|---|----|-----|------------------|
| S20 | 2 | S6 and S19 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:44 |
| S21 | 2 | "5580443".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:49 |
| S22 | 70640 | convection | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:53 |
| S23 | 79 | S9 and S10 and S22 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:53 |
| S24 | 65 | S18 and S23 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:55 |
| S25 | 52 | (steam adj1 crack\$3) with S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:56 |
| S26 | 5 | S22 and S25 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:56 |
| S27 | 5 | S2 and S25 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:57 |
| S28 | 1034 | preheat\$3 and (super adj1 heat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:58 |
| S29 | 163 | S14 and S5 and S28 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:58 |
| S30 | 5 | S6 and S29 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:58 |
| S31 | 29 | S22 and S29 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/09/29 13:58 |

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|-----|--------|-------------------------------------|---|----|-----|------------------|
| S32 | 362675 | steam | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/27 11:58 |
| S33 | 414156 | crack\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/27 11:58 |
| S34 | 1038 | preheat\$3 and (super adj1 heat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/27 11:58 |
| S35 | 163 | S33 and S32 and S34 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/27 12:00 |
| S36 | 17 | Fishcher\$1Tropsch | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/27 12:00 |
| S37 | 0 | S36 and S35 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/27 12:00 |
| S38 | 8416 | Fischer adj1 Tropsch | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/27 12:01 |
| S39 | 3 | S35 and S38 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/27 12:01 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------|------------------|---------|------------------|
| L1 | 2 | ((steam) and (cracking) and ("heavy hydrocarbon" or "gas oils" or (Fischer-Tropsch)) and (preheat\$3) and (superheat\$3) and (naphtha)).clm. | US-PGPUB | OR | OFF | 2007/06/21 12:12 |
| L2 | 0 | ((steam) and (cracking) and ("heavy hydrocarbon" or "gas oils" or (Fischer-Tropsch)) and (preheat\$3) and (superheat\$3) and (naphtha) and (ethene or ethylen or propene or propylene or butene or butylene)).clm. | US-PGPUB | OR | OFF | 2007/06/21 12:12 |
| L3 | 0 | ((steam) and (cracking) and ("heavy hydrocarbon" or "gas oils" or (Fischer-Tropsch)) and (preheat\$3) and (superheat\$3) and (naphtha) and (ethene or ethylene or propene or propylene or butene or butylene)).clm. | US-PGPUB | OR | OFF | 2007/06/21 12:12 |